

1145-C5-2452 **Kristi Meyer*** (kristi.meyer@wlc.edu). *Proofs? But I Can't Do Proofs!*

Discrete Mathematics is a course that varies widely from institution to institution. It can serve as a bridge course to upper level mathematics or a course for non-majors, a rigorous course intent on teaching proof techniques or a “hands-on” course completely devoid of proofs. At Wisconsin Lutheran College, Discrete Mathematics falls somewhere in the middle: it is required for our computer science students and is also an option for our mathematics majors (but is not the primary bridge course). Because of this diverse audience, a happy medium on a number of Discrete Mathematics topics is crucial – in particular, proof techniques. This talk will discuss how proof techniques are handled and taught, the proof writing expectations for students, and various pedagogical methods for dealing with a variety of student interests and ability levels. (Received September 25, 2018)